



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.:

Agency Interest No. 1468
Activity No.: PER20060016

Eric Phillips
Vice President/General Manager
Rubicon, LLC
Post Office Box 517
Geismar, LA 70734

RE: Part 70 Operating Permit, Maleic Anhydride Plant, Rubicon LLC, Geismar, Ascension Parish, Louisiana

Dear Mr. Phillips:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 3037-V0

Sincerely,
DRAFT

Chuck Carr Brown, Ph.D.
Assistant Secretary

CCB:FJH
cc: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON LLC – GEISMAR PLANT
MALEIC ANHYDRIDE PLANT
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed initial Part 70 Air Operating Permit for Rubicon LLC, P. O. Box 517, Geismar, LA 70734, for the Maleic Anhydride Plant. **The facility is located at 9156 Hwy 75 in Geismar, Ascension Parish.**

Rubicon LLC requested a permit for a new Maleic Anhydride Plant. The changes will be as follows:

1. Construction of a new Maleic Anhydride Plant;
2. Update to the TDI Boiler (Emission Point IA, Permit 2329-V3) to accommodate vents from the Maleic Anhydride Pant and the TDI Plant Closure;
3. Incorporate TDI Plant Emission Point Sources (IA – North Waste Heat Boiler HN-5472, IE – Maleic Anhydride Tank MF-59935, IH – Maleic Anhydride Loading with Scrubber, IQ – HCl Scrubber AS-5401, and RT – Pretreatment Area Vent) into the Maleic Anhydride Part 70 Operating Permit;
4. Add insignificant activities; and
5. Permit No. 2329-V3, TDI Plant, will be rescinded upon approval.

<u>Pollutant</u>	<u>Emissions</u>
PM ₁₀	4.90
SO ₂	0.67
NO _x	56.09
CO	48.37
VOC	28.88

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 8, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, including the Environmental Assessment Statement (also known as the Environmental Impact Questions), proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737.

Inquiries or requests for additional information regarding this permit action should be directed to Fritz J. Hurst, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3128.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1468, Permit Number 3037-V0, and Activity Number PER20060016.

Publication date: February 2, 2007.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MALEIC ANHYDRIDE PLANT
AGENCY INTEREST NO.: 1468
RUBICON LLC
GEISMAR, ASCENSION PARISH, LOUISIANA

I. Background

Rubicon LLC is a chemical manufacturer of a variety of organic and inorganic chemicals at their Geismar Facility and has been in operation since 1966.

This is the Part 70 operating permit for the Maleic Anhydride (MAN) Facility only.

II. Origin

A permit application and Emission Inventory Questionnaire was submitted by Rubicon LLC on April 21, 2006, as well as additional information dated July 21, 2006, December 5, 2006, and January 16, 2007, requesting a Part 70 operating permit.

III. Description

The maleic anhydride (MAN) plant consists of a fixed bed reactor area, absorbing, stripping and MAN refining areas. Reactor off-gas from the fixed bed reactor flows through a gas cooling system, and then feeds the absorbing and stripping systems. The off-gas from the absorbing system flows to an incinerator where the unreacted butane and other organics are destroyed. The Man recovered in the stripping system is further refined to meet finished goods specifications.

Maleic anhydride is produced by the partial oxidation of butane with air over a vanadium/phosphorus catalyst. Low concentrations (PPM range) of stabilizer (SAS) are added to the feed gas stream to stabilize catalyst activity and selectivity. Water (in the form of steam) is also added under some conditions to modify catalyst performance. Substantial amounts of carbon monoxide and carbon dioxide, along with much smaller amounts of acetic and acrylic acids, are also formed.

Rubicon is proposing construction of a new Maleic Anhydride Plant. The changes will be as follows:

1. Construction of a new Maleic Anhydride Plant;
2. Update to the TDI Boiler (Emission Point IA, Permit 2329-V3) to accommodate vents from the Maleic Anhydride Plant and the TDI Plant closure;
3. Incorporate TDI Plant Emission Point Sources (IA – North Waste Heat Boiler HN-5472, IE – Maleic Anhydride Tank MF-59935, IH – Maleic Anhydride Loading with Scrubber, IQ – HCl Scrubber AS-5401, and RT – Pretreatment Area Vent) into the Maleic Anhydride Part 70 Operating Permit;
4. Add insignificant activities; and
5. Permit No. 2329-V3, TDI Plant, will be rescinded upon approval.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM ₁₀	4.90
SO ₂	0.67
NO _x	56.09
CO	48.37
VOC	28.88

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>TPY</u>	<u>Pollutant</u>	<u>TPY</u>
1,2 Dichlorobenzene	0.017	1-Butanol	0.009
Acrylic Acid	0.86	Aniline	0.01
Benzene	1.04	Carbon Tetrachloride	0.49
Chlorinated Dibenzofurans	<0.001	Chlorinated Dibenzo-P Dioxins	<0.001
Chlorobenzene	7.72	Dibutyl Phthalate	0.52
Maleic anhydride	1.58	Methanol	0.23
Nitrobenzene	0.007	Phthalic Anhydride	<0.001
Total	12.48		

Non- VOC TAPs (TPY):

Ammonia	1.40
Chlorine	0.030
Hydrochloric Acid	0.67
Methylene Chloride, Dichloromethane	0.017
Total	2.117

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RUBICON LLC
GEISMAR, ASCENSION PARISH, LOUISIANA**

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and NESHAP. Prevention of Significant Deterioration does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The Maleic Anhydride is subject to 40 CFR 63, Subparts A, F, G, DDDDD, and NNNNN. Compliance with FFFF is required by May 10, 2008 or upon startup.

Nonattainment New Source Review NOx Netting Analysis

The construction start date for the Maleic Anhydride Project is March 1, 2007 and the project startup planned for October 1, 2008. NOx was designated as an ozone nonattainment pollutant on December 20, 2001. Thus the NOx increases due to the project are subject to NNSR netting analysis since the project increase without regards to decreases is greater than 25 tons per year.

The contemporaneous period for the Rubicon Facility Expansion Project begins January 13, 2004, which is the date of Rubicon's last NNSR permit. The NOx netting analysis shows that the project is not a major modification because the net emissions increase over the project's contemporaneous period is less than the significant net increase for NOx (25 tons/yr). Therefore, the project is not subject to NNSR review.

Permit No.	Permit Issue Date	Description of Project	NOx Before Project (ton/yr)	NOx After Project (ton/yr)	NOx Change (tons/yr)	Creditable Increases or Decreases (tons/yr)	Cumulative Creditable Change Total (tons/yr)	Date Creditable Change Occurred
2329-V1	3/31/04*	MDI Caustic Scrubber Vents to TDI Boiler	168.00	170.70	2.70	2.70	2.70	10/30/04
2329-V3	12/21/05	TDI Shutdown	146.47	61.11	-85.36	-85.36	-82.66	7/8/05
Pending	Pending	TDI Boiler Hazardous Waste Closure	61.11	7.49	-53.62	-53.62	-136.28	7/8/05
Pending	Pending	Maleic Anhydride Plant	0.00	48.18	48.18	48.18	-88.10	Pending
2261-V2	9/26/05	Aniline NB Expansion and Polishing Reactor	0.50	2.21	1.71	1.71	-86.39	7/13/06

*Authorization to Construct

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GEISMAR, ASCENSION PARISH, LOUISIANA**

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, on XX, 2007, and in the Gonzales Weekly, Ascension, on XX, 2007, and submitted to the Iberville Parish Library, East Iberville Branch, on XX, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XX, 2007. The draft permit was also submitted to US EPA Region VI on XX, 2007. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model Used: ISCST 3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (AAS)
Maleic Anhydride	8 - Hr	15.00 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
Dibutyl Phthalate	8 - Hr	11.01 $\mu\text{g}/\text{m}^3$	119 $\mu\text{g}/\text{m}^3$

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GEISMAR, ASCENSION PARISH, LOUISIANA

VIII. General Condition XVII Activities

Activity	Frequency	Pollutant	TPY
None			

IX. Insignificant Activities:

<u>ID No.:</u>	<u>Description</u>	<u>Capacity</u>	<u>Citation</u>
-	Treated Lean Oil Surge Tank MS-59578	1,763 gal	LAC 33:III.501.B.5.D
-	SAS Holding Pot MS-59365	141 gal	LAC 33:III.501.B.5.A.3
-	SAS Day Pot MS-59366	1,692 gal	LAC 33:III.501.B.5.A.3
-	Extractor Water Feed Tank MS-59581	752 gal	LAC 33:III.501.B.5.A.3
-	Butane Feed Line Vent		LAC 33:III.501.B.5.D

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GEISMAR, ASCENSION PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No:	Description	LAC 33.III.Chapter																		
		5▲	9	11	13	15	2103	2107	2111*	2113	2115	2122	2147	2149	2153	22	29*	51*	56	59*
	Maleic Anhydride	1	1	1	1	1	1	1	1									1	1	1
EQT210	IA – North Waste Heat Boiler HN-5472	1		1	1	1											2		1	
EQT232	JE – Maleic Anhydride Tank MF-59935						2											1		
EQT233	IH – Maleic Anhydride Loading with Scrubber						2										1			
FUG016	IP – Process Wastewater Fugitive Emissions														2		1			
EQT234	IQ – HCl Scrubber AS -5401	1															1			
EQT235	MAN1 – Maleic Anhydride Incinerator HN-59706														2		1			
EQT236	MAN2 – Maleic Anhydride Storage Tank MF-59934															1				
FUG017	MAN3 – Process Fugitive Emissions														1					
RLP028	MAN4 – Boiler Outages															1				
GRP058	RT – Pretreatment Area Vent														2		1			
EQT348	RT – Backwash Hold Tank MS-8632														2		1			
Tanks																				
EQT349	HCl Storage Tanks MF-571A														2			1		
EQT350	HCl Storage Tanks MF-572A														2			1		
EQT351	HCl Storage Tanks MF-573A														2			1		
EQT912	HCl Storage Tanks MF-571B														2			1		
EQT913	HCl Storage Tanks MF-572B														2			1		
EQT914	HCl Storage Tanks MF-573B														2			1		
EQT352	Butane Storage Tank MS-59101														1					

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GEISMAR, ASCENSION PARISH, LOUISIANA

Table 1. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**MALEIC ANHYDRIDE PLANT
AGENCY INTEREST NO.: 1468
RUBICON LLC
GEISMAR, ASCENSION PARISH, LOUISIANA**

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No:	Description	5▲	9	11	13	15	2103	2107	2111*	2113	2115	2122	2147	2149	2153	22	29*	51*	56	59*
Distillation Operations																				
EQT86	Stripper AS-59409																			
EQT87	Afterflasher AS-59431																			
EQT88	Refiner AS-59608																			
Transfer Operations																				
EQT879	HCl Tank Truck Loading																		1	
Heat Exchange System																				
EQT885	Absorber Circulation cooler TT-59404																			
EQT886	Lean Oil Cooler TT-59501																			
EQT887	Lean Oil Chiller TT-59502																			
EQT888	Seal Liquid Circulation Cooler TT-59621																			
EQT889	Tempered Water Cooler TT-59805																			
EQT890	Refiner Tempered Water Cooler TT-59806																			
EQT891	Boiler Feedwater Cooler TT-59832																			
Knock-Out Pots																				
EQT881	SEF Vent Knockout Pot MS-8648																2			
EQT880	Vent Fan Knockout Pot MS-59702																3			
EQT895	Tank Vent Header Knockout Pot																3			

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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**MALEIC ANHYDRIDE PLANT
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GEISMAR, ASCENSION PARISH, LOUISIANA**

X Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60						40 CFR 61						40 CFR 63						40 CFR					
		A	Db	Dc	Kb	VV	NNN	RRR	A	M	FF	A	F	G	H	DDDDD	FFFF	NNNN	68	70	82				
	Maleic Anhydride	1							1	1												1	1	1	
EQT210	IA - North Waste Heat Boiler HN-5472		3	2																					
EQT232	IE - Maleic Anhydride Tank MF-59935				3																				
EQT233	IH - Maleic Anhydride Loading with Scrubber																								
FUG016	IP - Process Wastewater Fugitive																								
EQT234	IQ - HCl Scrubber AS -5401																								
EQT235	MAN1 - Maleic Anhydride Incinerator HN-59706																	1							
EQT236	MAN2 - Maleic Anhydride Storage Tank MF-59934					3	1																		
FUG017	MAN3 - Process Fugitive Emissions																	1							
RLP028	MAN4 - Boiler Outages																		1						
GRP053	RT - Pretreatment Area Vent																		1						
EQT348	RT - Backwash Hold Tank MS-8632																		2						

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60						40 CFR 61						40 CFR 63						40 CFR 68					
		A	D _b	D _c	K _b	V _V	N _{NN}	R _{RR}	A	M	F _F	A	F	G	H	D _{DDDD}	F _{FFFF}	N _{NNNN}	68	70	82				
Tanks																									
EQT349	HCl Storage Tanks MF-571A																		2	2					1
EQT350	HCl Storage Tanks MF-572A																		2	2					1
EQT351	HCl Storage Tanks MF-573A																		2	2					
EQT912	HCl Storage Tanks MF-571B																		2	2					1
EQT913	HCl Storage Tanks MF-572B																		2	2					1
EQT914	HCl Storage Tanks MF-573B																		2	2					1
EQT352	Butane Storage Tank MS-59101																		2	2					
Surge Control Vessel/Bottom Receivers																									
EQT353	Rich Oil Storage Tank MF-59405																		1	1					
EQT354	Lean Oil Storage Tank MF-59506																		2	3					
EQT892	Chemical Cleaning Tank MF-59550																								
EQT355	CMA Storage Tank MF-59401																		1	1					
EQT356	Batch Receiver MF-59630																		3	3					
EQT357	Heavy Ends Tank MS-59530																		2	2					
EQT358	Solvent Drain Tank MS-59537																		2	2					

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X. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60						40 CFR 61						40 CFR 63						40 CFR		
		A	Db	Dc	Kb	VV	NNN	RRR	A	M	FF	A	F	G	H	DDDDD	FFFF	NNNN	68	70	82	
Knock-Out Pots																						
EQT881	SEF Vent Knockout Pot MS-8648																					
EQT880	Vent Fan Knockout Pot Ms-59702																					
EQT895	Tank Vent Header Knockout Pot																					

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
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Blank – The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Maleic Anhydride Plant	Compliance Assurance Monitoring [40 CFR 64]	DOES NOT APPLY. The facility is subject to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 and 112 of the Clean Air Act (40 CFR 64.2(b)(1)(i)).
EQT 210: IA North Waste Heat Boiler HN-5472	Control of Emissions of Nitrogen Oxide (NO _x) [LAC 33:III.Chapter 22]	EXEMPT. Emission source meets the definition of an incinerator in LAC 33:III.2201.B.
	Industrial – Commercial – Institutional Steam Generating Units – NSPS Subpart Db [40 CFR 60.40b]	DOES NOT APPLY. The heat input capacity of the unit is <100 million BTU/hr.
	Industrial – Commercial – Institutional Steam Generating Units – NSPS Subpart Dc [40 CFR 60.40c]	EXEMPT. No construction, reconstruction, or modification commenced after June 9, 1989.
	NESHAP for Industrial, Commercial and Institutional Boilers and Process Heaters Subpart DDDDD [40 CFR 63.7485]	DOES NOT APPLY. Waste heat boiler is excluded from definition of a boiler subject to this subpart.
EQT232: IE	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	EXEMPT. Vessel stores a liquid having a vapor pressure of less than 1.5 psia.
Maleic Anhydride Tank MF-59935	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	DOES NOT APPLY. Tank capacity greater than 151m ³ (39,000 gallons) and vapor pressure less than 3.5kPa (0.51 psia).
EQT233: IH Maleic Anhydride Loading/Scrubber	Volatile Organic Compounds – Loading [LAC 33:III.2107]	EXEMPT. True vapor pressure of VOC less than 1.5 psia at loading conditions.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
FUG016: IP	Limiting Volatile Organic Compound Emissions from Industrial Wastewater [LAC 33.III.2153]	EXEMPT. Subject to HON process wastewater provisions (LAC 33.III.2153.G.6).
Process Wastewater Fugitive Emissions	NESHAP for Source Categories – Subpart F Maintenance Wastewater Requirements [40 CFR 63.105]	DOES NOT APPLY. No maintenance wastewater containing Table 8 or Table 9 HAPs generated.
	NESHAP for Source Categories Subpart F and G – Control Requirements for Liquid Streams in Open Systems Within a Chemical Manufacturing Process Unit [40 CFR 63.149]	EXEMPT. No Table 8 nor Table 9 compounds requiring control in LAC 33.III.2201.B.
EQT235: MAN1	Control of Emissions of Nitrogen Oxide (NO _x) [LAC 33.III.Chapter 22]	EXEMPT. Emission source meets the definition of an incinerator in LAC 33.III.2201.B.
Maleic Anhydride Incinerator HN-59706	Industrial – Commercial – Institutional Steam Generating Units NSPS Subpart Db [40 CFR 60.40b]	DOES NOT APPLY. Heat input capacity from fuels combusted in the unit is <100 million BTU/hour (40 CFR 60.40b(a)).
	NESHAP for Industrial, Commercial and Institutional Boilers and Process Heaters Subpart DDDDD [40 CFR 63.7485]	DOES NOT APPLY. Waste heat boiler is excluded from definition of a boiler subject to this subpart (40 CFR 63.7575).
EQT236: MAN2	Storage of Volatile Organic Compounds [LAC 33.III.2103.B]	EXEMPT. Vessel stores a liquid having a vapor pressure of less than 1.5 psia.
Maleic Anhydride Storage Tank MF-59934	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	DOES NOT APPLY. Tank capacity greater than 151m ³ (39,000 gallons) and vapor pressure less than 3.5kPa (0.51 psia).
GRP058: RT	Storage of Volatile Organic Compounds [LAC 33.III.2103.B]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia.
Nitrates Equalization Tank MF-8603, Amines Equalization Tank MF-8616, SEF Storage Tanks MF-8638A/B/C	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	DOES NOT APPLY. Tank capacity greater than 151m ³ (39,000 gallons) and vapor pressure less than 3.5kPa (0.51 psia).

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT348: RT (Backwash Hold Tank MS-8632)	Storage of Volatile Organic Compounds [LAC 33:III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia. EXEMPT. Tank capacity greater than 151 m ³ (39,000 gallons) and vapor pressure less than 3.5kPa (0.51 psia).
TANKS	Storage of Volatile Organic Compounds [LAC 33:III.2103.B]	EXEMPT. Vessels do not store a VOC. Tanks vented to Emission Point IQ (EQT234).
HCL Storage Tanks EQT349:MF-571A, EQT350:MF-572A, EQT351:MF-573A, EQT912:MF-571B, EQT913:MF-572B, EQT914:MF-573B	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b] NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170]	EXEMPT. Vessels do not store a VOL.
EQT352:Butane Storage Tank MS- 59101	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b] NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.119]	DOES NOT APPLY. Pressure vessel designed to operate in excess of 204.9 kPa (29.72 psia) and without emissions to the atmosphere (40 CFR 60.110b(d)(2)).
SURGE CONTROL VESSELS/BOTTOMS RECEIVERS		EXEMPT. Vessel does not store an organic HAP.
EQT353:Rich Oil Storage Tank MF- 59405	Storage of Volatile Organic Compounds [LAC 33:III.2103.B]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia.
	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Capacity is between 75 -151 m ³ (19,800 – 39,900 gallons) and vapor pressure <15.0kPa (2.17 psia) (40 CFR 60.110(b)).

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT354:Lean Oil Storage Tank MF-59506	Storage of Volatile Organic Compounds [LAC 33.III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia. EXEMPT. Capacity > 151 m ³ (39,900 gallons) and vapor pressure <3.5 kPa (0.51 psia) (40 CFR 60.110b(b)).
EQT355: CMA Storage Tank MF-59601	NESHAP Subpart G – National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater. [40 CFR 63.119] Storage of Volatile Organic Compounds [LAC 33.III.2103.B]	DOES NOT APPLY. Tank does not meet the definition of a storage vessel per 40 CFR 63.101. Tank is a surge control vessel. EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia.
EQT356:Batch Receiver MF-59630	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b] Storage of Volatile Organic Compounds [LAC 33.III.2103.B]	EXEMPT. Capacity > 151 m ³ (39,900 gallons) and vapor pressure <3.5 kPa (0.51 psia) (40 CFR 60.110b(b)). EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia.
EQT365:Butane Blowdown Drum MS-59108	NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b] NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170]	DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3). DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)). DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3). DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)). DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3).

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT357: Heavy Ends Tank MS-59530, EQT358: Solvent Drain Tank MS-59537, EQT359: Extractor Premix Tank MS-59575, EQT360: Extractor Water Feed Tank MS-59581	Storage of Volatile Organic Compounds [LAC 33:III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 60.110b] NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia. DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)).
EQT361: Refiner Reflux Tank MS-59610, EQT362: Forecut Receiver MS-59613, EQT363: Acid Makeup Tank MS-59625	Storage of Volatile Organic Compounds [LAC 33:III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 60.110b] NESHAP for Source Categories Subparts F & H storage Vessel Provisions [40 CFR 63.100 and 63.170]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia. DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)).
EQT364: Treated Lean Oil Surge Tank MS-59578	Storage of Volatile Organic Compounds [LAC 33:III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 60.110b] NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170]	EXEMPT. Vessel stores a liquid having a vapor pressure less than 1.5 psia. DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3).
		DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)).
		DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3).

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ID No:	Requirement	Notes
EQT893: SAS Holding Tank MS-59365, EQT894: SAS Day Tank MS-59366 (Insignificant Activity A.3.)	Storage of Volatile Organic Compounds [LAC 33.III.2103.B] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	DOES NOT APPLY. Capacity <250 gallons DOES NOT APPLY. Vessel capacity <75 m ³ (19,800 gallons) (40 CFR 60.110b(a)).
EQT367: Vacuum Pump Separator Tank MS-59619	NESHAP for Source Categories Subparts F & G storage Vessel Provisions [40 CFR 63.100 and 63.170] Storage of Volatile Organic Compounds [LAC 33.III.2103.B]	DOES NOT APPLY. Capacity less than 38 m ³ (10,038 gallons) (40 CFR 63.183 Table 3). DOES NOT APPLY. Capacity <250 gallons.
REACTOR SYSTEMS		
EQT368: Maleic Anhydride Reactor MR-59331	Waste Gas Disposal [LAC 33.III.2115]	EXEMPT. Meets an exemption in LAC 33.III.Chapter 2147.A.2.a.
EQT875: Absorber AS-59401	Limiting VOC Emissions from SOCMI Reactor and Distillation Operations [LAC 33.III.2147] Waste Gas Disposal [LAC 33.III.2115] Limiting VOC Emissions from SOCMI Reactor and Distillation Operations [LAC 33.III.2147]	EXEMPT. Vents to a combustion device (LAC 33.III.2147.A.2.a) (Vents to Emission Point MAN1). EXEMPT. Meets an exemption in LAC 33.III.Chapter 2147.A.2.a. EXEMPT. Vents to a combustion device (LAC 33.III.2147.A.2.a) (Vents to Emission Point MAN1).

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ID No:	Requirement	Notes
DISTILLATION OPERATIONS		
EQT86: Stripper AS-59409, EQT87: Afterflasher AS-59431	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. Meets an exemption in LAC 33:III.Chapter 2147.A.2.g.
	Limiting VOC Emissions from SOCMI Reactor and Distillation Operations [LAC 33:III.2147]	EXEMPT. Subject to HON (LAC 33:III.2147.A.2.g.).
EQT88: Refiner AS-59608	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. Meets an exemption in LAC 33:III.Chapter 21.A.2.a.
	Limiting VOC Emissions from SOCMI Reactor and Distillation Operations [LAC 33:III.2147]	EXEMPT. Vents to a combustion device (LAC 33:III.2147.A.2.a)
	Limiting Volatile Organic Compound Emissions from Batch Processing [LAC 33:III.2149]	EXEMPT. Existing control device used to control emissions (LAC 33:III.2149.A.2.c)
	Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations [40 CFR 60 Subpart NNN]	EXEMPT. Batch operation. (40 CFR 60.660(c)(3)).
	NESHAP for Source Categories Subparts F and G – Process Vent Provisions [40 CFR 63.100 and 113]	EXEMPT. Batch operation (40 CFR 63.100(j)(4)).
TRANSFER OPERATIONS		
EQT89: HCl Tank Truck Loading	Volatile Organic Compounds – Loading [LAC 33:III.2107]	EXEMPT. Does not load a VOC.
	NESHAP for Source Categories Subparts F and G Transfer Operations	EXEMPT. Does not load an organic HAP.

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ID No:	Requirement	Notes
HEAT EXCHANGE SYSTEMS		
EQT885: Absorber Circulation Cooler TT-59404, EQT886: Lean Oil Cooler TT-59501, EQT887: Lean Oil Chiller TT-59502, EQT888: Seal Liquid Circulation Cooler TT-59621, EQT889: Tempered Water Cooler TT-59805, EQT890: Refiner Tempered Water Cooler TT-59806, EQT891: Boiler Feedwater Cooler TT-59832	NESHAP for Source Categories Subpart F – Heat Exchanger system Requirements [40 CFR 63.104]	EXEMPT. Does not contain >5% of an organic HAP (40 CFR 63.104 Subpart F – Table4).
KNOCK-OUT POTS		
EQT881: SEF Vent Knockout	Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. VOC vapor pressure <1.5 psia.
EQT880: Vent Fan Knockout Pot MS-59702, EQT895: Tank Vent Header Knockout Pot	Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Capacity <250 gallons.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

APPENDIX A

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Permittee shall comply with a streamlined equipment leak monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Non-compliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- i) Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LAC 33:III.Chapter 51) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamline program will include any exemptions based on size of component available in any of the programs being streamlined.
- ii) Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- iii) Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on January 31 and July 31, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting periods.
- iv) The facility shall comply with the requirements of the Louisiana MACT Determination for Refinery Equipment Leaks (LDREL) dated July 26, 1994, except as noted below:
 - A. A connector is in VOTAP service if a piece of equipment that either contains or contacts a volatile fluid (liquid or gas) that is at least 5% of the sum of all Class I and II organic toxic air pollutants.
 - B. Connectors that are determined to be leaking by visual, audible, olfactory, or any other detection method shall be monitored, repaired, recorded, and reported according to the provisions in the Louisiana Refinery Equipment Leaks Determination and any applicable equipment leak programs.
 - C. Connectors associated with valves shall be monitored according to the valve requirements of the applicable program. However, each associated connector shall be monitored as part of the valve and not as separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking.

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- D. Permittee shall submit to the Office of Environmental Assessment, Environmental Technology Division reports containing information concerning valves. Rubicon LLC shall include on these reports the number of connectors associated with the valves that were monitored and the number of connectors found leaking, but shall not report a percent connectors leaking.

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
Maleic Anhydride Plant	LAC 33:III.2121-Louisiana Fugitive Emission Control for Specified Parishes	≥ 10% VOC	HON Subpart H
	40 CFR 63, NESHAP (HON) Subpart H	≥ 5% VOHAP	
	LAC 33:III.5109 – Louisiana MACT Determination for Non-HON Sources	≥ 5% VOTAP	

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.II.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 21, 2006, along with supplemental information dated July 21, 2006, December 5, 2006, and January 16, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1468 Rubicon LLC - Geismar Plant
Activity Number: PER20060016
Permit Number: 3037-V0
Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	Rubicon LLC	Rubicon LLC	Air Permitting	12-24-2003
0180-0006	0180-0006	Rubicon LLC - Geismar Plant	CDS Number	05-27-1993
LAD008213191	PMT/PC	Rubicon LLC - Geismar Plant	Emission Inventory	02-25-2004
LAD008213191	LA0000892	Rubicon LLC - Geismar Plant	Hazardous Waste Notification	07-22-1980
LAR05N485	WP1493	Rubicon LLC - Geismar Plant	Hazardous Waste Permitting	10-01-1997
	LPDES #	LPDES #	Inactive & Abandoned Sites	07-01-1981
	LPDES #	LPDES #	LPDES Permit #	06-25-2003
	LWDPS #	LWDPS #	LWDPS Permit #	06-25-2003
			Priority 1 Emergency Site	07-18-2006
LA-2232-L01	GD-005-1646	Radioactive Material License	Radiation License Number	11-23-1999
38794	48042	Site ID #	Solid Waste Facility No.	11-21-1999
		Rubicon LLC - Geismar Plant	TEMPO Merge	10-30-2000
		Rubicon LLC - Geismar Plant	TEMPO Merge	01-30-2001
	0180-0006	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70734RBCNN9156H	03-011102	TRI #	Toxic Release Inventory	07-19-2004
	1482	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
	1843	Rubicon LLC - Geismar Plant	Underground Storage Tanks	11-21-1999
		Rubicon LLC - Geismar Plant	Underground Storage Tanks	11-21-1999
Physical Location:	9156 Hwy 75 Geismar, LA 70734		Main FAX: 2256732470 Main Phone: 2252425000	
Mailing Address:	PO Box 517 Geismar, LA 707340517			
Location of Front Gate:	30° 11' 58" S2 hundredths latitude, 91° 0' 36" S6 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: WGS84			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Michelle Eaglin	PO Box 517 Geismar, LA 707340517 9156 Hwy 75 Geismar, LA 70734	2252425590 (VWP) 2252425324 (VWP)	Underground Storage Tank Contact for Radiation Safety Officer for
	Tom Harbourt	9156 Hwy 75 Geismar, LA 70734	2252425272 (WF)	Radiation Safety Officer for
	Tom Harbourt	9156 Hwy 75 Geismar, LA 70734	Tom_J_Harbourt@H	Radiation Safety Officer for
	Tom Harbourt	9156 Hwy 75 Geismar, LA 70734	2259783921 (CP)	Radiation Safety Officer for
	Phil Kerr	PO Box 517 Geismar, LA 707340517 9156 Hwy 75 Geismar, LA 70734	2256736141 (VWP) 2252425350 (VWP)	Air Permit Contact For Haz. Waste Billing Party for

General Information

AI ID: 1468 Rubicon LLC - Geismar Plant
Activity Number: PER20060016
Permit Number: 3037-V0
Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Anthony Nelson	PO Box 517 Geismar, LA 707340517		Water Permit Contact For
	C. Eric Phillips	PO Box 517 Geismar, LA 707340517	2256736141 (WP)	Responsible Official For
	Henry Pine			Responsible Official for
	Clyde Stevens			Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	UST Billing Party for
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Owns
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Solid Waste Billing Party for
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Haz. Waste Billing Party for
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Water Billing Party for
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Air Billing Party for
	Rubicon LLC	PO Box 517 Geismar, LA 707340517	2252425000 (WP)	Radiation License Billing Party for
	Rubicon LLC - Geismar Plant	Attn Accounts Payable Geismar, LA 70734	2252425000 (WP)	Accident Prevention Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1468 - Rubicon LLC - Geismar Plant
 Activity Number: PER20060016
 Permit Number: 3037-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT210	IA - North Waste Heat Boiler HN-5472 with Quench Scrubber	20,61 MM BTU/hr	9.5 MM BTU/hr	Natural Gas, Process Gas, & Waste Tars	8760 hr/yr (All Year)	
EQT232	IE - Maleic Anhydride Tank MF-59935	53620 gallons	9.5 MM gallons/yr		8760 hr/yr (All Year)	
EQT233	IH - Maleic Anhydride Loading with Water Scrubber		125 MM lbs/yr		8760 hr/yr (All Year)	
EQT234	IQ - HCl Scrubber AS-5401		300 gallons/min	10 gallons/min	8760 hr/yr (All Year)	
EQT235	MAN1 - Maleic Anhydride Incinerator HN-59706		140 MM BTU/hr	Natural Gas and Process Gas	8760 hr/yr (All Year)	
EQT236	MAN2 - Maleic Anhydride Storage Tank MF-59934	53620 gallons	9.5 MM gallons/yr		8760 hr/yr (All Year)	
EQT348	RT (Backwash Hold Tank MS-8632)	31500 gallons			8760 hr/yr (All Year)	
EQT349	HCl Storage Tank ME-571A	59955 gallons			8760 hr/yr (All Year)	
EQT350	HCl Storage Tank MF-572A	59955 gallons			8760 hr/yr (All Year)	
EQT351	HCl Storage Tank MF-573A	189686 gallons			8760 hr/yr (All Year)	
EQT352	Butane Storage Tank MS-59101	14000 gallons			8760 hr/yr (All Year)	
EQT353	Rich Oil Storage Tank MF-59405	28643 gallons			8760 hr/yr (All Year)	
EQT354	Lean Oil Storage Tank MF-59506	45813 gallons			8760 hr/yr (All Year)	
EQT355	CMA Storage Tank MF-59601	47945 gallons			8760 hr/yr (All Year)	
EQT356	Batch Receiver MF-59630	21514 gallons			8760 hr/yr (All Year)	
EQT357	Heavy Ends Tank MS-59530	5520 gallons			8760 hr/yr (All Year)	
EQT358	Solvent Drain Tank MS-59537	1000 gallons			8760 hr/yr (All Year)	
EQT359	Extractor Premix Tank MS-59575	1940 gallons			8760 hr/yr (All Year)	
EQT360	Extractor Water Feed Tank MS-59581	950 gallons			8760 hr/yr (All Year)	
EQT361	Refiner Reflux Tank MS-59610	785 gallons			8760 hr/yr (All Year)	
EQT362	Forecut Receiver MS-59613	3000 gallons			8760 hr/yr (All Year)	
EQT363	Acid Makeup Tank MS-59625	277 gallons			8760 hr/yr (All Year)	
EQT364	Treated Lean Oil Surge Tank MS-59578	2005 gallons			8760 hr/yr (All Year)	
EQT365	Butane Blowdown Drum MS-59108	880 gallons			8760 hr/yr (All Year)	
EQT366	Refiner Still Pot MS-59607	19500 gallons			8760 hr/yr (All Year)	
EQT367	Vacuum Pump Separator Tank MS-59619	37 gallons			8760 hr/yr (All Year)	
EQT368	Maleic Anhydride Reactor MR-59331				8760 hr/yr (All Year)	
EQT875	Absorber AS-59401				8760 hr/yr (All Year)	
EQT876	Stripper AS-59409				8760 hr/yr (All Year)	
EQT877	Afterflasher AS-59431				8760 hr/yr (All Year)	
EQT878	Refiner AS-59608				8760 hr/yr (All Year)	
EQT879	HCl Tank Truck Loading		200.5 MM lbs/yr		(None Specified)	
EQT880	Vent Fan Knockout Pot MS-59702				8760 hr/yr (All Year)	
EQT881	SEF Vent Knockout Pot MS-8648				8760 hr/yr (All Year)	
EQT882	Nitrates Equalization Tank MF-8603	199932 gallons			8760 hr/yr (All Year)	
EQT883	Amines Equalization Tank MF-8616	199932 gallons			8760 hr/yr (All Year)	

INVENTORIES

AI ID: 1468 - Rubicon LLC - Geismar Plant
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 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT884	SEF Storage Tanks MF-8638A	1.01 million gallons				8760 hr/yr (All Year)
EQT885	Absorber Circulation Cooler TT-59404					8760 hr/yr (All Year)
EQT886	Lean Oil Cooler TT-59501					8760 hr/yr (All Year)
EQT887	Lean Oil Chiller TT-59502					8760 hr/yr (All Year)
EQT888	Seal Liquid Circulation Cooler TT-59621					8760 hr/yr (All Year)
EQT889	Tempered Water Cooler TT-59805					8760 hr/yr (All Year)
EQT890	Refiner Tempered Water Cooler TT-59806					8760 hr/yr (All Year)
EQT891	Boiler Feedwater Cooler TT-59832					8760 hr/yr (All Year)
EQT892	Chemical Cleaning Tank MF-59550	600 gallons				8760 hr/yr (All Year)
EQT893	SAS Holding Tank MS-59365	140 gallons				8760 hr/yr (All Year)
EQT894	SAS Day Tank MS-59366	15 gallons				8760 hr/yr (All Year)
EQT895	Tank Vent Header Knockout Pot					8760 hr/yr (All Year)
EQT912	HCI Storage Tank MF-571B	59955 gallons				8760 hr/yr (All Year)
EQT913	HCI Storage Tank MF-572B	59955 gallons				8760 hr/yr (All Year)
EQT914	HCI Storage Tank MF-573B	169666 gallons				8760 hr/yr (All Year)
EQT915	Stripper Condenser TT-59413					8760 hr/yr (All Year)
EQT916	Refiner Condenser TT-59609					8760 hr/yr (All Year)
EQT917	Vent Scrubber AS-59417					8760 hr/yr (All Year)
EQT918	SEF Storage Tanks MF-8638B	1.01 million gallons				8760 hr/yr (All Year)
EQT919	SEF Storage Tanks MF-8638C	1.01 million gallons				8760 hr/yr (All Year)
FUG016	IP - Process Wastewater Fugitive Emissions					8760 hr/yr (All Year)
FUG017	MAN3 - Process Fugitive Emissions					8760 hr/yr (All Year)
RLP028	MAN4 - Boiler Outages					720 hr/yr (All Year)
RLP033	RT - SEF Pretreatment Area Vent					1704 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP039	Maleic Anhydride Plant	EQT232 IE - Maleic Anhydride Tank MF-59935
GRP039	Maleic Anhydride Plant	EQT233 IH - Maleic Anhydride Loading with Water Scrubber
GRP039	Maleic Anhydride Plant	EQT234 IQ - HCl Scrubber AS-5401
GRP039	Maleic Anhydride Plant	EQT235 MAN1 - Maleic Anhydride Incinerator HN-59706
GRP039	Maleic Anhydride Plant	EQT236 MAN2 - Maleic Anhydride Storage Tank MF-59934
GRP039	Maleic Anhydride Plant	FUG16 IP - Process Wastewater Fugitive Emissions
GRP039	Maleic Anhydride Plant	FUG17 MAN3 - Process Fugitive Emissions
GRP039	Maleic Anhydride Plant	RLP28 MAN4 - Boiler Outages
GRP056	Surge Control Vessels/Bottoms Receivers	EQT353 Rich Oil Storage Tank MF-59405

INVENTORIES

AI ID: 1468 - Rubicon LLC - Geismar Plant
 Activity Number: PER20060016
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 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP056	Surge Control Vessels/Bottoms Receivers	EQT354 Lean Oil Storage Tank MF-59506
GRP056	Surge Control Vessels/Bottoms Receivers	EQT355 CMA Storage Tank MF-59601
GRP056	Surge Control Vessels/Bottoms Receivers	EQT356 Batch Receiver MF-59630
GRP056	Surge Control Vessels/Bottoms Receivers	EQT357 Heavy Ends Tank MS-59530
GRP056	Surge Control Vessels/Bottoms Receivers	EQT358 Solvent Drain Tank MS-59537
GRP056	Surge Control Vessels/Bottoms Receivers	EQT359 Extractor Premix Tank MS-59575
GRP056	Surge Control Vessels/Bottoms Receivers	EQT361 Refiner Reflux Tank MS-59610
GRP056	Surge Control Vessels/Bottoms Receivers	EQT362 Forecast Receiver MS-59613
GRP056	Surge Control Vessels/Bottoms Receivers	EQT363 Acid Makeup Tank MS-59625
GRP056	Surge Control Vessels/Bottoms Receivers	EQT367 Vacuum Pump Separator Tank MS-59619
GRP057	Knockout Pots	EQT880 Vent Fan Knockout Pot MS-59702
GRP057	Knockout Pots	EQT881 SEF Vent Knockout Pot MS-8648
GRP057	Knockout Pots	EQT895 Tank Vent Header Knockout Pot
GRP058	RT Pretreatment Area Vent	EQT882 Nitrates Equalization Tank MF-8603
GRP058	RT Pretreatment Area Vent	EQT883 Amines Equalization Tank MF-8616
GRP058	RT Pretreatment Area Vent	EQT884 SEF Storage Tanks MF-8638A
GRP058	RT Pretreatment Area Vent	EQT918 SEF Storage Tanks MF-8638B
GRP058	RT Pretreatment Area Vent	EQT919 SEF Storage Tanks MF-8638C
GRP059	Heat Exchange Systems	EQT885 Absorber Circulation Cooler TT-59404
GRP059	Heat Exchange Systems	EQT886 Lean Oil Cooler TT-59501
GRP059	Heat Exchange Systems	EQT887 Lean Oil Chiller TT-59502
GRP059	Heat Exchange Systems	EQT888 Seal Liquid Circulation Cooler TT-59621
GRP059	Heat Exchange Systems	EQT889 Tempered Water Cooler TT-59805
GRP059	Heat Exchange Systems	EQT890 Refiner Tempered Water Cooler TT-59806
GRP059	Heat Exchange Systems	EQT891 Boiler Feedwater Cooler TT-59832

Relationships:

Subject Item	Relationship	Subject Item
EQT349 HCl Storage Tank MF-571A	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT350 HCl Storage Tank MF-572A	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT351 HCl Storage Tank MF-573A	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT355 CMA Storage Tank MF-59601	Vents to	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
EQT356 Batch Receiver MF-59630	Vents to	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
EQT365 Butane Blowdown Drum	Vents to	EQT235 MAN1 - Maleic Anhydride Incinerator HN-59706
EQT368 Maleic Anhydride Reactor MR-59331	Vents to	EQT875 Absorber AS-59401
EQT875 Absorber AS-59401	Vents to	EQT235 MAN1 - Maleic Anhydride Incinerator HN-59706

INVENTORIES

AI ID: 1468 - Rubicon LLC - Geismar Plant
 Activity Number: PER20060016
 Permit Number: 3037-V0
 Air - Title V Regular Permit Initial

Relationships:

Subject Item	Relationship	Subject Item
EQT876 Stripper AS-59409	Vents to	EQT915 Stripper Condenser TT-59413
EQT877 Afterburner AS-59431	Vents to	EQT917 Vent Scrubber AS-59417
EQT878 Refiner AS-59608	Vents to	EQT916 Refiner Condenser TT-59609
EQT879 HCl Tank Truck Loading	Vents to, EQT235 (MAN1) is backup	EQT234 IQ - HCl Scrubber AS-5401
EQT912 HCl Storage Tank MF-571B	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT913 HCl Storage Tank MF-572B	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT914 HCl Storage Tank MF-573B	Vents to, (EQT235 (MAN1) is backup)	EQT234 IQ - HCl Scrubber AS-5401
EQT915 Stripper Condenser TT-59413	Vents to	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
EQT916 Refiner Condenser TT-59609	Vents to	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
EQT917 Vent Scrubber AS-59417	Vents to	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
GRP56 Surge Control Vessels/Bottoms Receivers	Vents to, (Vents to EQT235 when EQT210 is down. If both EQT210 and EQT235 are down then vents to atmosphere for up to 30 days per year (RLP028))	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
GRP57 Knockout Pots	Vents to, (Vents to EQT235 when EQT210 is down. If both EQT210 and EQT235 are down then vents to atmosphere for up to 30 days per year (RLP028))	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber
GRP58 RT Pretreatment Area Vent	Vents to, (Compliance with HON does not require this vent to be controlled. Routed to the atmosphere for 36 days (864 hours) annually. When the boiler is unavailable, the vent is routed to the atmosphere)	EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT210	IA - North Waste Heat Boiler HN-5472 with Quench Scrubber	73.9	13910	2	.25	150
EQT232	IE - Maleic Anhydride Tank MF-59935				.34	
EQT233	IH - Maleic Anhydride Loading with Water Scrubber	30		2	.25	
EQT234	IQ - HCl Scrubber AS-5401	7.64	40	.33	36.09	110
EQT235	MAN1 - Maleic Anhydride Incinerator HN-59706	186	140741	4	.25	347
EQT236	MAN2 - Maleic Anhydride Storage Tank MF-59934				.34	
EQT348	RT (Backwash Hold Tank MS-8632)					
EQT349	HCl Storage Tank MF-571A					
EQT350	HCl Storage Tank MF-572A					
EQT351	HCl Storage Tank MF-573A					
EQT352	Butane Storage Tank MS-59101					

INVENTORIES

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Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT353	Rich Oil Storage Tank MF-59405					
EQT354	Lean Oil Storage Tank MF-59506					
EQT355	CMA Storage Tank MF-59601					
EQT356	Batch Receiver MF-59630					
EQT357	Heavy Ends Tank MS-59530					
EQT358	Solvent Drain Tank MS-59537					
EQT359	Extractor Premix Tank MS-59575					
EQT360	Extractor Water Feed Tank MS-59581					
EQT361	Refiner Reflux Tank MS-59610					
EQT362	Forecut Receiver MS-59613					
EQT363	Acid Makeup Tank MS-59625					
EQT364	Treated Lean Oil Surge Tank MS-59578					
EQT365	Butane Blowdown Drum MS-59108					
EQT366	Refiner Still Pot MS-59607					
EQT367	Vacuum Pump Separator Tank MS-59619					
EQT882	Nitrates Equalization Tank MF-8803					
EQT883	Amines Equalization Tank MF-8616					
EQT884	SEF Storage Tanks MF-8638A					
EQT892	Chemical Cleaning Tank MF-59550					
EQT893	SAS Holding Tank MS-59365					
EQT894	SAS Day Tank MS-59366					
EQT912	HCl Storage Tank MF-571B					
EQT913	HCl Storage Tank MF-572B					
EQT914	HCl Storage Tank MF-573B					
EQT918	SEF Storage Tanks MF-8638B					
EQT919	SEF Storage Tanks MF-8638C					
FUG016	IP - Process Wastewater Fugitive Emissions					
FUG017	MAN3 - Process Fugitive Emissions					
RLP028	MAN4 - Boiler Outages					
RLP033	RT - SEF Pretreatment Area Vent					

Fee Information:

Sub Item Id	Multiplier	Units Of Measure	Fee Desc
GRP039	125	MM Lb/Yr	0630 - Organic Oxides, Alcohols, Glycols (Rated Capacity)

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EQT210 IA - North Waste Heat Boiler HN-5472 with Quench Scrubber

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 2 Which Months: All Year Statistical Basis: None specified
- 2 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

3 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

4 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

5 The reduction in HAP emissions will be attained by utilization of the North Waste Heat Boiler. The daily average compliance temperature will be established during the performance test. The North Waste Heat Boiler temperature will be continuously monitored for compliance. [LAC 33:III.501.C.6]

6 Flow rate >= 184 gallons/min. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

7 pH >= 8.46 s.u. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

8 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined as complying with Boiler DRE for Volatile Organic Toxic Air Pollutant greater than 98%. [LAC 33:III.5109.A]

9 Comply with all applicable provisions of 40 CFR 63 Subpart NNNNN - Hydrochloric Acid Production. [40 CFR 63.8985]

EQT232 IE - Maleic Anhydride Tank MF-59935

- 10 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G Storage Vessel Provisions, 40 CFR 63.100 and 119. [LAC 33:III.5109.A]
- 11 Tank is a Group 2 HON tank with a capacity >39,900 gallons and vapor pressure < 0.1 psia. Recordkeeping is required (40 CFR 63 Appendix to Subpart G Table 6). [40 CFR 63]

EQT233 IH - Maleic Anhydride Loading with Water Scrubber

- 12 Flow rate monitored by flow rate monitoring device once every four hours. [LAC 33:III.501.C.6]
- 12 Which Months: All Year Statistical Basis: None specified
- 13 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 14 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 15 Flow rate >= 1.5 gallons/min. [LAC 33:III.501.C.6]
- 15 Which Months: All Year Statistical Basis: None specified
- 16 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G Transfer Operations Provisions 40 CFR 63.100 and 63.126(c). [LAC 33:III.5109.A]
- 17 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

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EQT233 IH - Maleic Anhydride Loading with Water Scrubber

- 18 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

EQT234 IQ - HCl Scrubber AS-5401

- 20 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits class III compound (hydrochloric acid), MACT is not required. [LAC 33:III.5109.A]
- 21 Comply with all applicable provisions of 40 CFR 63, NESHAP Subpart NNNNN, Hydrochloric Acid Production. [40 CFR 63.9000]
- 22 Collect flowrate and pH monitoring data and reduce data to 1-hour and daily block averages. Submit periodic reports with exceedances noted (40 CFR 63.9025 and 63.9050). [40 CFR 63.9000]
- 23 Reduce HCl Emissions from storage tanks at existing source by 99 percent or greater or 120 ppmv or greater. [40 CFR 63.9000]
- 24 Flow rate \geq 4.4 gallons/min. [40 CFR 63.9020]
Which Months: All Year Statistical Basis: None specified
- 25 pH \geq 8 s.u. [40 CFR 63.9020]
Which Months: All Year Statistical Basis: None specified

EQT235 MAN1 - Maleic Anhydride Incinerator HN-59706

- 26 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 27 Which Months: All Year Statistical Basis: None specified
27 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 28 Which Months: All Year Statistical Basis: Six-minute average
28 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 29 Which Months: All Year Statistical Basis: None specified
29 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 30 The reduction in HAP emissions will be attained by utilization of the Maleic Anhydride Incinerator. The daily average compliance temperature will be established during the performance test. The Maleic Anhydride Incinerator temperature will be continuously monitored for compliance. [LAC 33:III.501.C.6]
- 31 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Incinerator destruction and removal efficiency (DRE) for Volatile Organic Toxic Air Pollutants ($>98\%$) is considered as MACT. [LAC 33:III.5109.A]
- 32 Submit initial notification - NSPS Subpart Dc. [40 CFR 60.48(c)((a))]

EQT236 MAN2 - Maleic Anhydride Storage Tank MF-59934

- 33 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G Storage Vessel Provisions, 40 CFR 63.100 and 119. [LAC 33:III.5109.A]

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EQT236 MAN2 - Maleic Anhydride Storage Tank MF-59934

34 Tank is a Group 2 HON tank with a capacity >39,900 gallons and vapor pressure < 0.1 psia. Recordkeeping is required (40 CFR 63 Appendix to Subpart G Table 6). [40 CFR 63]

EQT348 RT (Backwash Hold Tank MS-8632)

- 35 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR 63.133 (Process Wastewater Provisions - wastewater tanks. [LAC 33:III.5109.A])
- 36 Operate and maintain a fixed roof. Subpart G. [40 CFR 63.133(a)(1)]

EQT349 HCl Storage Tank MF-571A

- 37 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits class III compound (hydrogen chloride), MACT is not required. [LAC 33:III.5109.A]
- 38 Reduce HCl Emissions from storage tanks at existing source by 99% or greater or 120 ppmv or less (NESHAP Subpart NNNNN). [40 CFR 63.9000]

EQT350 HCl Storage Tank MF-572A

- 39 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits class III compound (hydrogen chloride), MACT is not required. [LAC 33:III.5109.A]
- 40 Reduce HCl Emissions from storage tanks at existing source by 99% or greater or 120 ppmv or less (NESHAP Subpart NNNNN). [40 CFR 63.9000]

EQT351 HCl Storage Tank MF-573A

- 41 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits class III compound (hydrogen chloride), MACT is not required. [LAC 33:III.5109.A]
- 42 Reduce HCl Emissions from storage tanks at existing source by 99% or greater or 120 ppmv or less (NESHAP Subpart NNNNN). [40 CFR 63.9000]

EQT352 Butane Storage Tank MS-59101

- 43 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.B]

EQT353 Rich Oil Storage Tank MF-59405

- 44 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR 63.170 - NESHPAP for Source Categories Subpart F and H Surge Control Vessels and Bottom Receivers. [LAC 33:III.5109.A]

EQT355 CMA Storage Tank MF-59601

- 45 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR 63.170 - NESHPAP for Source Categories Subpart F and H Surge Control Vessels and Bottom Receivers. [LAC 33:III.5109.A]

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EQT355 CMA Storage Tank MF-59601

- 46 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

EQT365 Butane Blowdown Drum MS-59108

- 47 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 48 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 49 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

EQT366 Refiner Still Pot MS-59607

- 50 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR63.170 - NESHAP for Source Categories Subpart F and H Surge Control Vessels and Bottom Receivers. [LAC 33:III.5109.A]
- 51 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

EQT368 Maleic Anhydride Reactor MR-59331

- 52 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vent is sent to a combustion device. Use of combustion device constitutes MACT per 40 CFR 63.113(a)(2). [LAC 33:III.5109.A]
- 53 A Group 1 HON process vent subject to NSPS RRR (Standards of Performance for Volatile Organic Compounds Emissions From Synthetic Organic Chemical Manufacturing Industry Reactor Processes) is only required to comply with the HON 40 CFR 63.110(d)(7). [40 CFR 63.110(d)(7)]
- 54 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 55 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 56 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 57 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT875 Absorber AS-59401

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EQT875 Absorber AS-59401

- 58 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vent is sent to a combustion device. Use of combustion device constitutes MACT per 40 CFR 63.113(a)(2). [LAC 33.III.5109.A]
- 59 A Group 1 HON process vent subject to NSPS RRR (Standards of Performance for Volatile Organic Compounds Emissions From Synthetic Organic Chemical Manufacturing Industry Reactor Processes) is only required to comply with the HON 40 CFR 63.110(d)(7). [40 CFR 63.110(d)(7)]
- 60 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 61 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 63 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT876 Stripper AS-59409

- 64 A Group 1 HON process vent subject to NSPS NNN (Standards of Performance for Volatile Organic Compounds Emissions From Synthetic Organic Chemical Manufacturing Industry Distillation Operations) is only required to comply with the HON 40 CFR 63.110(d)(4). [40 CFR 63.110(d)(4)]
- 65 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 66 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 67 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 68 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT877 Afterflasker AS-59431

- 69 A Group 1 HON process vent subject to NSPS NNN (Standards of Performance for Volatile Organic Compounds Emissions From Synthetic Organic Chemical Manufacturing Industry Distillation Operations) is only required to comply with the HON 40 CFR 63.110(d)(4). [40 CFR 63.110(d)(4)]
- 70 Organic HAP \geq 98 % reduction by weight, or \leq 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 71 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified

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EQT877 Afterflasher AS-59431

- 72 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 73 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

EQT878 Refiner AS-59608

- 74 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vent is sent to a combustion device. Use of combustion device constitutes MACT per LAC 33:2149.C.1. [LAC 33:III.5109.A]
- 75 Compliance with all applicable provisions of 40 CFR 63.2435 - NESHAP for Source Categories Subpart FFFF- Miscellaneous Organic Chemical Manufacturing is required by May 10, 2008 or upon startup. [40 CFR 63.2435]

EQT879 HCl Tank Truck Loading

- 76 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits class III compound (hydrochloric acid), MACT is not required. [LAC 33:III.5109.A]
- 77 Comply with all applicable provisions of 40 CFR 63, NESHAP Subpart NNNNN, Hydrochloric Acid Production. [40 CFR 63.9000]
- 78 Reduce HCl Emissions from storage tanks at existing source by 99 percent or greater or 120 ppmv or greater. [40 CFR 63.9000]

FUG016 IP - Process Wastewater Fugitive Emissions

- 79 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 63.105, 63.132, and 63.149. [LAC 33:III.5109.A]
- 80 Group 2 wastewater stream. Recordkeeping of group determination required. [40 CFR 63.147(f)]

FUG017 MAN3 - Process Fugitive Emissions

- 81 Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines (See Appendix A). Compliance is achieved through compliance with 40 CFR 63 Subpart H. [LAC 33:III.2122]
- 82 State Only - The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification provided:

- a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increase except from the fugitive emissions components themselves;
- b. The changes do not involve any associated increases in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
- c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
- d. The components are promptly incorporated into any applicable LDAR program. [LAC 33:III.501.C.6]

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FUG017 MAN3 - Process Fugitive Emissions

- 83 Comply with LAC 33:III.5109.A by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines (See Appendix A). Compliance is achieved through compliance with 40 CFR 63 Subpart H. [LAC 33:III.5109.A]
- 84 NSPS Subpart VV is superseded by HON Subpart H. [40 CFR 60.480]
- 85 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 86 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 87 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (f). If a reading of 10,000 ppm (phase I); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- 88 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- 89 Which Months: All Year Statistical Basis: None specified
- 90 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 90 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 91 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 92 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with the requirements instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 93 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 94 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 95 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- 95 Which Months: All Year Statistical Basis: None specified

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- 96 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 97 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 98 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- Which Months: All Year Statistical Basis: None specified
- 99 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- Which Months: All Year Statistical Basis: None specified
- 100 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- 101 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 102 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 103 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-loop system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 104 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 105 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 106 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 107 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 108 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]
- Which Months: All Year Statistical Basis: None specified

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- 109 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
- Which Months: All Year Statistical Basis: None specified
- 110 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c).
- Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 111 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 112 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 113 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 114 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 115 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 116 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 117 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 118 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 119 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f).
- Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 120 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

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- 121 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(j)(3)]
Which Months: All Year Statistical Basis: None specified
- 122 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 123 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 124 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified
- 125 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(j)(3)]
- 126 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.169(c)]
Which Months: All Year Statistical Basis: None specified
- 127 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(a). Subpart H. [40 CFR 63.169(c)]
- 128 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 129 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63. Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 130 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 131 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

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- 132 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- 133 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 134 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(hn)]
- 135 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
- Which Months: All Year Statistical Basis: None specified
- 136 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
- 137 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 138 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 139 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 140 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- Which Months: All Year Statistical Basis: None specified
- 141 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 142 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
- Which Months: All Year Statistical Basis: None specified
- 143 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 144 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- Which Months: All Year Statistical Basis: None specified

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- 145 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- Which Months: All Year Statistical Basis: None specified
- 146 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 147 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 148 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 149 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
- 150 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. As specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- Which Months: All Year Statistical Basis: None specified
- 151 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
- 152 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(ii)]
- 153 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(iii)]
- Which Months: All Year Statistical Basis: None specified
- 154 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
- Which Months: All Year Statistical Basis: None specified
- 155 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

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- 156 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified
- 157 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- 158 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21, at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 159 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 160 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 161 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 162 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 163 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 164 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 165 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 166 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

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- 167 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- 168 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 169 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 170 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182.
- Subpart H. [40 CFR 63.174(h)(2)]
- 171 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 172 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 173 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]
- 174 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 175 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 176 Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 177 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 178 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 179 Develop and operate under leak detection and repair plan, 40 CFR Subpart NNNNN - Hydrochloric Acid Production. [40 CFR 63.9000]
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- 180 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 181 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 182 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

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- 183 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33.III.2901.D are prohibited. [LAC 33.III.2901.D]
- 184 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33.III.2901.G. [LAC 33.III.2901.F]
- 185 Submit permit application: Due prior to construction, reconstruction, or modification unless otherwise provided in LAC 33.III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33.III.Chapter 5. [LAC 33.III.501.C.1]
- 186 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33.III.501.C.6]
- 187 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33.III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33.III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33.III.501.C.6]
- 188 Carbon monoxide <= 48.37 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 189 Nitrogen oxides <= 56.09 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 190 Particulate matter (10 microns or less) <= 4.90 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 191 Sulfur dioxide <= 0.67 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 192 VOC, Total <= 28.88 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 193 1,2-Dichlorobenzene <= 0.017 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 194 Acrylic acid <= 0.86 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 195 Benzene <= 1.04 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 196 Chlorinated dibenzofurans <= 0.001 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 197 Chlorobenzene <= 7.72 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 198 Maleic anhydride <= 1.58 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 199 Phthalic Anhydride < 0.001 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 200 n-butyl alcohol <= 0.009 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 201 Aniline <= 0.01 tons/yr. [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 202 Carbon tetrachloride <= 0.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 203 Dibutyl phthalate <= 0.52 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 204 Methanol <= 0.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 205 Nitrobenzene <= 0.007 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 206 Ammonia <= 1.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 207 Chlorine <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 208 Hydrochloric acid <= 0.67 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 209 Methylene Chloride <= 0.017 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 210 Dichloromethane <= 0.017 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 211 Chlorinated dibenzofurans < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 212 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 213 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action, for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 214 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 215 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Quality shall submit an application to the Office of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]

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- 216 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 217 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 218 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 219 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 220 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 221 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 222 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 223 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 224 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 225 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 226 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 227 Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E. [LAC 33:III.5109.A.2]
- 228 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 229 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

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- 230 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 231 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.511]
- 232 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.]
- 233 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 234 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 235 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 236 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 237 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 238 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 239 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 240 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 241 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.511.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 242 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.]
- 243 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 244 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 245 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18 [LAC 33:III.517.D]
- 246 Submit change of ownership notification in accordance with LAC 33:III.Chapter 19. [LAC 33:III.517.G]
- 247 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]

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- 248 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 249 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 250 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 251 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 252 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 253 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 254 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 255 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 256 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.9.(9.A-D. [LAC 33:III.919.D])
- 257 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1. Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 258 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 259 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 260 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 261 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 262 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- 263 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- 264 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 265 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 266 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]

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- 267 Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 268 Submit report: Due whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr (1.1 ton/yr) or more. Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3). Subpart FF. [40 CFR 61.357(b)]
- 269 Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
- 270 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 271 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 272 Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- 273 Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- 274 Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- 275 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]
- 276 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (f). [40 CFR 68.155]
- 277 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (20). [40 CFR 68.160]
- 278 Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (14). [40 CFR 68.165]
- 279 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]
- 280 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]
- 281 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 282 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]
- 283 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]
- 284 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]
- 285 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (i). [40 CFR 68.25]
- 286 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]
- 287 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]
- 288 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]
- 289 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 290 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]

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- 291 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]
- 292 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (11) for each accidental release. [40 CFR 68.42]
- 293 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 294 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 295 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 296 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 297 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82;Subpart F]
- 298 Comply with usage and control requirements for Class I and Class II compounds. [40 CFR 82]

GRP058 RT Pretreatment Area Vent

- 299 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with 40 CFR 63.133 - Process Wastewater Provisions, is considered as MACT. [TAC 33:II.5109.A]
- 300 Operate and maintain a fixed roof. Subpart G. [40 CFR 63.133(a)(1)]
- 301 Vessels receive a Group 1 stream. No mixing, heating or treatment with exothermic reaction. Operate and maintain fixed roof in accordance with 40 CFR 63.133(a)(1) - Process Wastewater Provisions - Subpart F and G. [40 CFR 63.133(a)(1)]
- 302 Fixed roof: Maintain in accordance with the requirements specified in 40 CFR 63.148, except as provided in 40 CFR 63.133(b)(4). Subpart G. [40 CFR 63.133(b)(1)(i)]
- 303 Fixed roof: Maintain each opening in a closed position at all times that the wastewater tank contains a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream except when it is necessary to use the opening for wastewater sampling, removal, or for equipment inspection, maintenance, or repair. Subpart G. [40 CFR 63.133(b)(1)(ii)]
- 304 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
- Which Months: All Year Statistical Basis: None specified
- 305 Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1)(i) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
- Which Months: All Year Statistical Basis: None specified
- 306 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification. Complete repair within 45 calendar days after identification. Subpart G. [40 CFR 63.133(h)]

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- 307 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
308 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
309 Vessels receive a Group 1 stream. No mixing, heating or treatment with an exothermic reaction. Operate and maintain fixed roof in accordance with 40 CFR 63.133(a)(1). [40 CFR 63]

GRP059 Heat Exchange Systems

- 310 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
311 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
312 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]

RLP028 MAN4 - Boiler Outages

- 313 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maleic Anhydride plant will comply with HON Startup, Shutdown and Malfunction provisions per 40 CFR 63.6 (e) as MACT. No additional controls required. [LAC 33:III.5109.A]
314 Develop and maintain a Startup, Shutdown and Malfunction Plan, Subpart A. [40 CFR 63.6(e)(3)]
315 Comply with operation and maintenance requirements. [40 CFR 63.6(e)]